

Nicola J Irwin

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

929
citations

840776

11
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

1363
citing authors

#	ARTICLE	IF	CITATIONS
1	Hot-melt extrusion of photodynamic antimicrobial polymers for prevention of microbial contamination. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2021, 214, 112098.	3.8	12
2	Infection-Triggered, Self-Cleaning Surfaces with On-Demand Cleavage of Surface-Localized Surfactant Moieties. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 586-594.	5.2	2
3	Lignin/poly(butylene succinate) composites with antioxidant and antibacterial properties for potential biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2020, 145, 92-99.	7.5	116
4	Time-Resolved Dynamics of Struvite Crystallization: Insights from the Macroscopic to Molecular Scale. <i>Chemistry - A European Journal</i> , 2020, 26, 3555-3563.	3.3	17
5	Engaging a Battle on Two Fronts: Dual Role of Polyphosphates as Potent Inhibitors of Struvite Nucleation and Crystal Growth. <i>Chemistry of Materials</i> , 2020, 32, 8672-8682.	6.7	18
6	Multifunctional, Low Friction, Antimicrobial Approach for Biomaterial Surface Enhancement. <i>ACS Applied Bio Materials</i> , 2020, 3, 1385-1393.	4.6	11
7	Antioxidant PLA Composites Containing Lignin for 3D Printing Applications: A Potential Material for Healthcare Applications. <i>Pharmaceutics</i> , 2019, 11, 165.	4.5	186
8	Use of <i>in vitro</i> and haptic assessments in the characterisation of surface lubricity. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2019, 233, 84-90.	1.8	3
9	Anti-Adherent Biomaterials for Prevention of Catheter Biofouling. <i>International Journal of Pharmaceutics</i> , 2018, 535, 420-427.	5.2	18
10	Synthesis and characterization of hyaluronic acid hydrogels crosslinked using a solvent-free process for potential biomedical applications. <i>Carbohydrate Polymers</i> , 2018, 181, 1194-1205.	10.2	195
11	Synthesis and Characterization of Lignin Hydrogels for Potential Applications as Drug Eluting Antimicrobial Coatings for Medical Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9037-9046.	6.7	161
12	Photochemically Controlled Drug Dosing from a Polymeric Scaffold. <i>Pharmaceutical Research</i> , 2017, 34, 1469-1476.	3.5	8
13	Systematic optimization of poly(vinyl chloride) surface modification with an aromatic thiol. <i>European Polymer Journal</i> , 2017, 97, 40-48.	5.4	15
14	An Infection-Responsive Approach To Reduce Bacterial Adhesion in Urinary Biomaterials. <i>Molecular Pharmaceutics</i> , 2016, 13, 2817-2822.	4.6	26
15	Hydrogel-Forming Microneedle Arrays Made from Light-Responsive Materials for On-Demand Transdermal Drug Delivery. <i>Molecular Pharmaceutics</i> , 2016, 13, 907-914.	4.6	117
16	Infection-Responsive Drug Delivery from Urinary Biomaterials Controlled by a Novel Kinetic and Thermodynamic Approach. <i>Pharmaceutical Research</i> , 2013, 30, 857-865.	3.5	24